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HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

Jet Propulsion Laboratory Edwards Facility, Oxidizer Dryer Building (Building 4237/E-38)
Edwards Air Force Base
Boron Vicinity
Kern County
California

HAER No. CA-163-Q

Photographers' Credits:

Credit PSR: Philipp S. Rittermann, Photography & Preservation Associates, Inc., September, 1995
Credit WCT: Photographic copy of JPL photograph by William C. Tibbitts, date cited in caption

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CA-163-Q-1 Credit PSR. Photograph displays the west and south elevations as seen when looking east northeast (56°). The small doors at the left lead to the building equipment room which houses heating and cooling equipment (part of which is visible outdoors along adjacent exterior wall). High double doors lead to the dryer room; a 1-ton hoist is used to move heavy containers and dryer trays within the building. Note the lightning rods on roof corners.

CA-163-Q-2 Credit PSR. This interior view shows the vacuum tumble dryer. The tumble dryer is lined with a water jacket to maintain temperature during the drying of ammonium perchlorate ("AP"); water enters and exits the dryer jacket through the pipe fittings along the horizontal center line of the dryer. The wall at the right is constructed to blow out in the event of an explosion.

CA-163-Q-3 Credit WCT. Original 4"x5" black and white negative is housed in the JPL Archives, Pasadena, California. This image shows the tumble dryer in place as building construction neared completion. The mezzanine railings have not been installed. The scattered debris on the floor and stairs would not

be allowed during dryer .operation. Compare this view with CA-163-Q-2 and note that the stairs in this 1963 view were moved later; the screen wall was also removed. The reasons for these alterations were not determined (JPL negative no. 381-2831, 18 March 1963).